

FORM PTO-1449

U. S DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK
OFFICEINFORMATION DISCLOSURE
STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.	SERIAL NO.
U 013757-2	10/009,016
APPLICANT	
Heikki HYOTY, et al	
FILING DATE	GROUP
March 12, 2002	1645

U.S. PATENT DOCUMENTS

EXAMINER INITIALS	REFERENCE DESIGNATION	DOCUMENT NUMBER	DATE	NAME	FILING DATE IF APPROPRIATE
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FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	TRANSLATION	
					YES	NO
	AL					
	AM					
	AN					
	AO					

OTHER ART (Including Author, Title, Date, Pertinent Dates, Etc.)

M M	AP	Screening of organ donors for anti-islets antibodies and characterization of pancreatic histology in an antibody positive subject. Giannani, Dotta, Di Mario, Scipioni, Grassetto, Liggins, Yu, Eisenbarth. Immunology of Diabetes Society Conference. Cambridge England March 28-31 2004
	AQ	Human Beta-Cell Specific Enteroviral Infection Impairs insulin secretion and upregulates islet chemokine and fas expression. Grassetto, Scipioni, Del Guerra, Lettieri, Sbrana, Mario, Marchetti, Dotta. Immunology of diabetes society conference. Cambridge England March 28-31 2004
	AR	Demonstration of enterovirus infection in islets of two patients with type 1 diabetes. Dotta, Santangelo, Marselli, Dionisi, Scipioni, Masini, van Halteren, Del Prato, Di Mario, Roep, Marchetti. Diabetes/Metabolism Research and Reviews. November-December 2002
	AS	Enterovirus infection in human pancreatic islet cells, islet tropism in vivo and receptor involvement in cultured islet beta cells. Ylipaasto, Klingel, Lindberg, Otonkoski, Kandolf, Hovi, Rovainen. Diabetologia (2004)
	AT	Virus-induced diabetes mellitus. Yoon, Austin, Onodera, Notkins. Vol. 300 NO. 21 Laboratory of Oral Medicine.
K	AU	Human beta cell specific enteroviral infection induces pro-apoptotic changes as evidenced by microarray gene expression profiling. Grassetto, Scipioni, Lupi, Del Prato, Marchetti, Dotta. Diabetologia Volume 47 , article 488 page A179

EXAMINER

Wesley

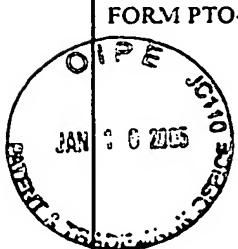
DATE CONSIDERED

2-8-05

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M M	BA	Enterovirus-related type 1 diabetes mellitus and antibodies to glutamic acid decarboxylase in Japan. Kawashima, Ihara, Loi, Oana, Sato, Kato, Takami, Kashiwagi, Takekuma, Hoshika, Mori. Journal of Infection, August 2004 49(2): 147-51			
	BB	Simultaneous Onset of Type 1 Diabetes Mellitus in Identical Infant Twins with Enterovirus Infection. Smith, Clements, Riding, Collins, Bottazzo, Taylor. Diabetic Medicine 1998 15: 515-517			
	BC	Enterovirus RNA is found in Peripheral Blood Mononuclear Cells in a Majority of Type 1 Diabetic Children at Onset. Yin, Berg, Tuvemo, Frisk. Diabetes, Vol 51, June 2002			
	BD	Reduced Frequency of HLA DRB1*03-DQB1*02 in Children with Type 1 Diabetes Associated with Enterovirus RNA. Craig, Howard, Silink, Rawlinson. Journal of Infectious Diseases May 15, 2003			
	BE	Enterovirus Variants in the serum of children at the onset of Type 1 diabetes mellitus. Nairn, Galbraith, Taylor, Clements. British Diabetic Association, Diabetic Medicine 16, 509-513 1999			
	BF	Coxsackie B Virus infection and onset of childhood diabetes. Clements, Galbraith, Taylor. The Lancet, Vol 346, July 22, 1995 pgs 221-223			
	BG	Detection of Coxsackie B Virus RNA Sequences in Whole Blood Samples from adult patients at the onset not Type 1 diabetes mellitus. Andreoletti, Hober, Hober-Vandenbergh, Belach, Vantyghem, Lefebvre, Wattre. Journal of Medical Virology 52:121-127 (1997)			
	BI	Neonatal Type 1 diabetes associated with maternal echovirus 6 infection: a case report. Otonkoski, Roivainen, Vaarala, Dinesen, Leipala, Hovi, Knip. Diabetologia (2000) 43: 1235-1238			
	BJ	Serologic Evidence of an Association between Enteroviruses and the onset of Type 1 diabetes mellitus. Helfand, Gary, Jr., Freeman, Anderson, Pallansch. The Journal of Infectious Diseases 1995: 172-1206-11			
↓	BK	Increased level of interferon- α in blood of patients with insulin-dependent diabetes mellitus: Relationship with coxsackievirus B infection. Chehadeh, Weill, Vantyghem, Alm, Lefebvre, Wattre, Hober. The Journal of Infectious Diseases 2000; 181:1929-39			
EXAMINER		<i>Wesley</i>		DATE CONSIDERED <i>28-05</i>	
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M M	BL	Characterization of the T-Cell response to Coxsackievirus B4. Evidence that effector memory cells predominate in patients with Type 1 diabetes. Varela-Calvino, Ellis, Sgarbi, Dayan, Peakman. Diabetes, vol. 51, June 2002			
	BM	Prediction and prevention of Type 1 diabetes mellitus. PS 30., Schlosser, Mentel Moya-Suri, Wassmuth, Gurtler, Moritz, Greifswald, Arndt. Diabetologia, vol 47 supplement 1, A 183			
	BN	Enterovirus infections are associated with the induction of β -Cell autoimmunity in a prospective birth cohort study. Salminen, Sadeharju, Lonnrot, Vahasalo, Kupila, Korhonen, Ilonen, Simell, Knip, Hyoty. Journal of Medical Virology 69:91-98 (2003)			
	BO	Enterovirus infections as a risk factor for type 1 diabetes: virus analyses in a dietary intervention trial. Sadeharju, Hamalainen, Knip, Lonnrot, Koskela, Virtanen, Ilonen, Akerblom, Hyoty. Clin. Exp. Immunol 2003; 132: 271-277			
	BP	Enterovirus antibody levels during the first two years of life in prediabetic autoantibody-positive children. Sadeharju, Lonnrot, Kimpinaki, Savola, Erkkila, Kalliokoski, Savolainen, koskela, Ilonen, Simell, Knip, Hyoty. Diabetologia (2001) 44: 818-823			
	BQ	Enterovirus RNA in Serum is a risk factor for beta-cell autoimmunity and clinical Type 1 diabetes: A prospective study. Lonnrot, Salminen, Knip, Savola, Kulmala, Leinikki, Hypia, Akerblom, Hyoty. Juornal of Medical Virology 61:214-220 (2000)			
	BR	T-Cell responses to enterovirus antigens in children with Type 1 diabetes. Juhela, Hyoty, Roivainen, Harkonen, Putto-Laurila, Simell, Ilonen. Diabetes, vol. 49, August 2000 pgs 1308-1313			
	BS	Islet cell antibody seroconversion in children is temporally associated with enterovirus infections. Hiltunen, Hyoty, Knip, Ilonen, Reijonen, Vahasalo, Riovainen, Lonnrot, Leinikki, Hovi, Akerblom. The Journal of Infectious Diseases 1997; 175:554-60			
✓	BT	A prospective study of the role of coxsackie B and other enterovirus infections in the pathogenesis of IDDM. Hyoty, Hitunen, Knip, Laakkonen, Vahasalo, Karjalainen, Koskela, Roivainen, Leinikki, Hovi, Akerblom. Diabetes, vol. 44, June 1995 pgs 652-657			
EXAMINER <i>Nicole</i>		DATE CONSIDERED <i>2-8-05</i>			
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MM	BU	Detection of enterovirus RNA sequences in serum samples from autoantibody-positive subjects at risk for diabetes. Coutant, Palmer, Carel, Cantero-Aguilar, Lebon, Bougnères. 2002 Diabetes UK Diabetic Medicine, 19 966-971.
	BV	Echovirus 4 and Type 1 diabetes mellitus. Diaz-Horta, Bello, Cabrera-Rode, Suarez, mas, Garcia, Abalos, Jofra, Molina, Diaz-Diaz, Di Mario. Autoimmunity Vol. 34 pp. 275-281
✓	BW	Type 1 diabetes islet associated antibodies in subjects infected by echovirus 16. Cabrera-Rode, Sarmiento, Tiberti, Molina, Barrios, Hernandez, Diaz-Horta, Di Mario. Diabetologia (2003) 46: 1348-1353.

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